BORISOV, Viktor Gavrilovich; BERG, A.I.; DZHIGIT, I.S.; YELIN, O.G., KULIKOVSKIY, A.A.; MOZHZHEVELOV. B.N.; SMIRNOV, A.D.; TARASOV, F.I.; TRAMM, B.F.; CHECHIK, P.O.; SHAMSHUR, V.I.; MALIHIH, R.M. redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Young radio amateur] IUnyi radioliubitel'. Isd. 2-oe, ispr.i dop. Moskva, Gos.energ.izd-vo 1955. 271 p.(Massovaia radio-biblioteka, no.224) (MLRA 8:11) (Radio-Amateurs' manuals)

YELIN, R.

Increasing the wear resistance of machine parts. Mor. flot 21 no.8:35 Ag 161. (MIRA 14:9)

1. Nachal'nik tsentral'noy laboratorii Odesskogo sudoremontnogo zavoda No.1.

(Marine engineering) (Case hardening)

S/032/62/028/004/009/026 B101/B138

35077

1.8000

AUTHORS:

Yelin, R. M., Khanonkin, A. A., and Kharin, G. G.

TITLE:

Ultrasonic inspection of welds by a parallel two-probe

detector

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 4, 1962, 464-465

TEXT: Fabricated hull sections composed of 7 - 15 mm steel plates were tested with a y3A-7H (UZD-7N) double-probe flaw detector and the results were compared with those of x-ray and gamma ray detectors. The double-probe flaw detector proved less sensitive than a one-probe unit owing to interference effects and energy losses. Nevertheless it can be used for welding inspections if the "noise cut-out" 1 "amplification" settings are used. Its sensitivity is then 3% plate thickness, which is midway between the x-ray and gamma-ray values. The advantage of the double-probe flaw detector is that the acoustic contact of the probes can be checked continuously and that oscillograms can be deciphered more easily than those of the one-probe unit. It is recommended for testing thin butt welds, where

Card 1/2

S/032/62/028/004/009/026 B101/B138

Ultrasonic inspection of welds...

automated inspection is difficult. There are 1 figure and 2 Soviet references.

ASSOCIATION: Odesskiy sudoremontnyy zavod (Odessa Ship Repair Shop)

Card 2/2

YELIF, S.H.

Device for increasing the mobility of loose materials in warehouses. Gor.zhur. nc.6:74-75 Je '57. (MLRA 10:8)

1. Wachal'nik konstruktorskogo otdela kombinata "Apatit." (Materials handling)

YELIN, S N

127-58-5-8/30

AUTHORS:

Yelin, S.N., Chief of the Designing Section of the Apatit Combine; Svinin, S.P., Technical Director of an Open Pit of the Mine imeni Kirov; Zykov, V.A., Chief Mechanic of the Apatit Combine

TITLE:

Derricks With "Sunk" Drilling Machines for Open Mining (Burovyye stanki s pogruzhnym perforatorom dlya otkrytykh rabot). At the Apatite Mine imeni Kirov (Na apatitovom rudnike imeni Kirov)

PERIODICAL:

Gornyy Zhurnal, 1958, Nr 5, pp 28-30 (USSR)

ABSTRACT:

A derrick with a "sunk" drilling machine was designed by the authors and manufactured in 1956 in the repair-mechanical plant of the Apatit Combine. Technical characteristics are as follows: diameter of bore holes - 150 mm; tics are as follows: diameter of bore holes - 150 mm; depth of drilling - 20 m; derrick height - 8,700 m; width - 2,700 mm; length - 7,000 mm; electric motor power - 4.5 kw; the sunk drilling machine is of the BMK-2 type and operates by compressed air at 5 atm pressure. This device was tested in an open pit of the mine imeni Kirov, which mines the western part of the apatite-nepheline ores of 8 to 9 hard-

Card 1/2

127-58-5-8/30

Derricks With "Sunk" Drilling Machines for Open Mining. At the Apatite Mine imeni Kirov

ness (by Professor Protod'yakonov scale). Drilling speed was 3 to 3.5 m per hour. The machine proved to have considerable advantages in comparison with percussion-cable drilling machines, since it can drill 20 to 25 m of shotholes of 150 mm in diameter per shift, whereas percussion-cable drilling machines have an average shift capacity of only 3 to 5 m of 200-mm shotholes. The new device is simple and safe in operation and can be handled by one worker.

There are 4 figures.

ASSOCIATION: Apatit Combine

AVAILABLE: Library of Congress

Card 2/2 1. Drilling machines-Design

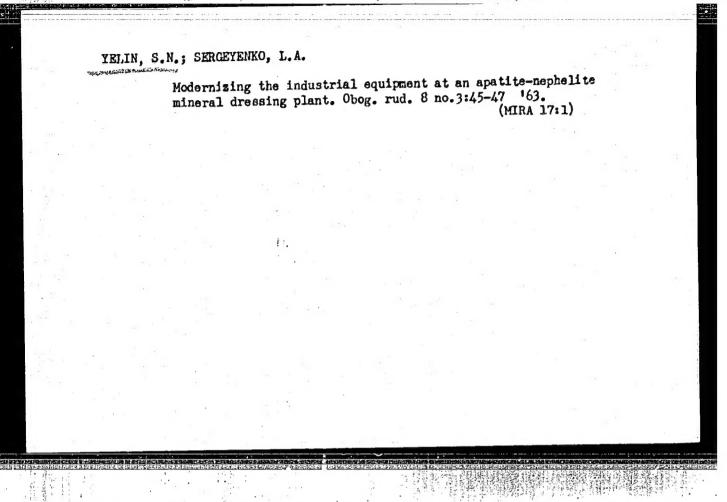
 chi na i

GUSHCHIN, V.V.; YELIN, S.N.; STEKHNOVSKIY, A.V.; AFRAMOV, V.F., kand. tekhn.nauk

New technical methods and equipment for underground mining in apatite mines. Gor.zhur. no.1:35-40 Ja '63. (MIRA 16:1)

1. Kombinat "Apatit" (for Gushchin, Yelin, Stekhnovskiy).
2. Gosudarstvennyy institut gorno-khimicheskogo syr'ya (for Abramov).

(Apatite) (Mining engineering)



GRACHEV, F.G., kand. tekhn. nauk; SMIRNOV, V.A., gornyy inzh.; YELIN, S.N., gornyy inzh.; SUKHODREV, V.M., gornyy inzh.; TOFOCHKOV, G.S., gornyy inzh.

Using the BSSh-1 roller bit boring machine in apatite strip mines. Gor. zhur. no.8:37-39 Ag '64. (MIRA 17:10)

l. Gosudarstvennyy nauchno-issledovatel'skiy institut gornokhimicheskogo syr'ya (for Grachev, Smirnov). 2. Kombinat "Apatit" (for Yelin, Sukhodrev, Torochkov).

AFANAS YEV, T.P.; GASHICHEV, V.I.; YELIN, S.N.; KAPLYANSKIY, B.A.; LAVROVA, G.I.

Automation of crushing and grinding processes at the No.1 Apatite-Nephelite Ore Dressing Plant. Obog. rud 9 no.4: 36-41 '64. (MIRA 18:5)

YELIN, S.N., inzh.

Introduction of automation in the "Apatit" Combine.

Gor. zhur. no.10:22-26 0 '65. (MIRA 18:11)

PERMYAKOV, R.S., kand. tekhn. nauk; YELIK, S.F.

Building the "TSentral nais" nine of the S.M. hirov "Apatit" Combine. Shakht. strol. 9 no.6:18-22 Je 165.

1. Glavnyy inzh. kombinata "Apatit" (for lermyakev). 2. Zamostitel' direktora po stroitel'stva kombinata "Apatit" (for Yelin).

YELIN, V., podpolkovnik zapasa

In order to consult with Il'ich more often... Komm. Vooruzh. Sil 46 no.ll:62-65 Je '65. (MIRA 18:6)

l. Zamestitel' nachal'nika biblioteki TSentral'nogo doma Sovetskoy Armii imeni M.V. Frunze, Moskva.

 YELIN. V.A., inzh.

Replacement of air prehenter casings of the BEZ-75/32 bottler. Elek. stm. 36 no.8275-76 Ag 155. (MIRA 18:8)

YELIN, VIADIMIR IVANOVICH

DECEASED
c1960

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PETROLEUM INDUSTRY /PUMPS AND COMPRESSORS

SEVERDENKO, V.P.; YELIN, V.I.

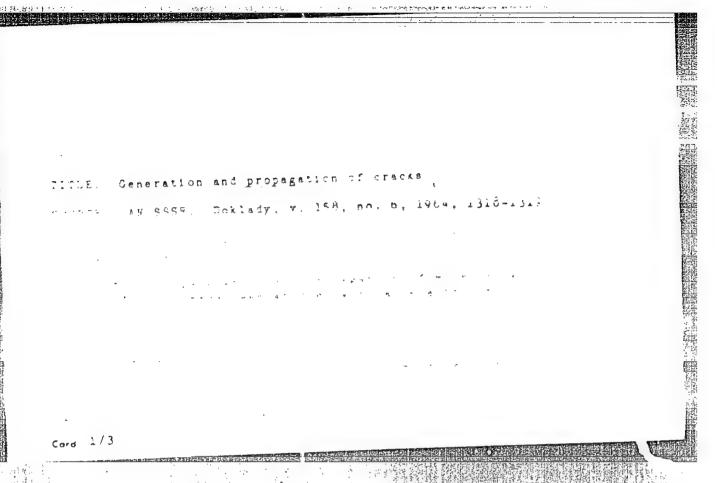
Kinetics of the deformation of armco iron. Sbor. nauch. trud.

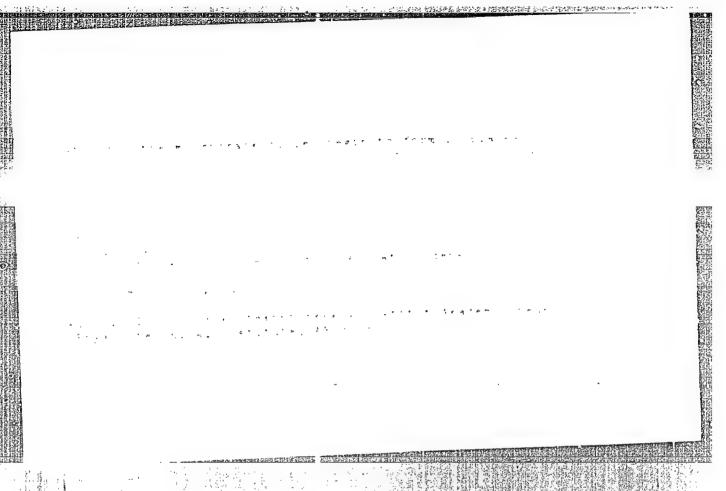
Kinetics of the deformation of armco iron. Sbor. nauch. trud.

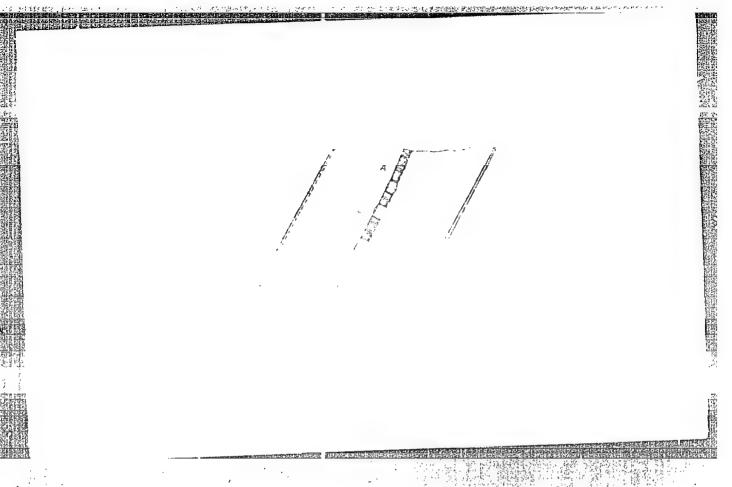
(MRA 15:7)

Piz.-tekh.inst. AN BSSR no.7:30-37 '61. (MRA 15:7)

(Iron--Metallography) (Deformations (Mochanics))







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ACC NRi AT6036709 AUTHOR: Severdenko	(A), v. P. (Academici	SOURCE CODE: UR/0000/66/000/000/0293/047/ an AN BSSR); Tochitskiy, E. I.; Yelin, V. I.
ORG: none		A. Jl arotti re

TITLE: Increasing metal strength by reinforcement with microwire

SOURCE: AN BSSR. Fiziko-tekhnicheskiy institut. Plastichnost i obrabotka metallov davleniyem (Plasticity and metalworking by pressure). Minsk, Nauka i tekimika,

TOPIC TAGS: metal strengthening, dispersion strengthening, dispersion strengthened metal property, metal composite, metal composite property, Microwice, Nichrome ABSTRACT: A series of specimens of commercial-grade tin reinforced with nichrome wire 0.1 mm in diameter were subjected to tensile tests. The specimens with wires oriented across the direction of the load had a strength lower than that of pure tin. However, specimens with wires oriented along the direction of the load had a strength 49 to 83% higher than that of pure tin, depending on the number of wires per mm of specimen area. The increase in strength was somewhat higher than the mean strength of nichrome wires and tin matrix. Orig. art. has: 2 tables.

SUB CODE: 11, 13/ SUBM DATE: 08Ju166/ ORIG REF: 002/ ATD PRESS: 5108

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SOURCE CODE: UR/0000/66/000/000/0242/0246

AUTHOR: Severdenko, V. P. (Academician AN BSSR); Klubovich, V. V.; Yelin, V. I.

ORG: none

TITLE: A study of the stretching of copper in an ultrasonic field at high temperatures

SOURCE: AN BSSR. Fiziko-tekhnicheskiy institut. Plastichnost' i obrabotka metallov davieniyem (Plasticity and metalworking by pressure). Minsk, Nauka i tekhnika, 1966, 242-246

TOPIC TAGS: copper, ultrasonic oscillation, high temperature, temperature dependence, ultrasonic field, tensile strength, plastic deformation, microhardness

ABSTRACT: Copper tensile specimens of 6 mm diameter and 36 mm length were vacuum annealed at 650°C and tested in tension at 100-700°C, with and without an ultrasonic field. The resonance frequency of the PMS-7 magnetostrictive transducer was 20 kc. Specimens were held for 25 min at temperature before testing at a constant deformation rate of 20 mm/min. Load-elongation curves at 20 and 600°C showed that ultrasonic oscillations lowered the strength and plasticity of the copper. In an ultrasonic field with an oscillation amplitude of 0.012 mm the static load decreased by 50 and 45% and the elongation by 35 and 25%, respectively, at 20 and 600°C. At an amplitude of 0.018 mm the load decreased more than 70% and the elongation 40%. Natural stress-strain dia-

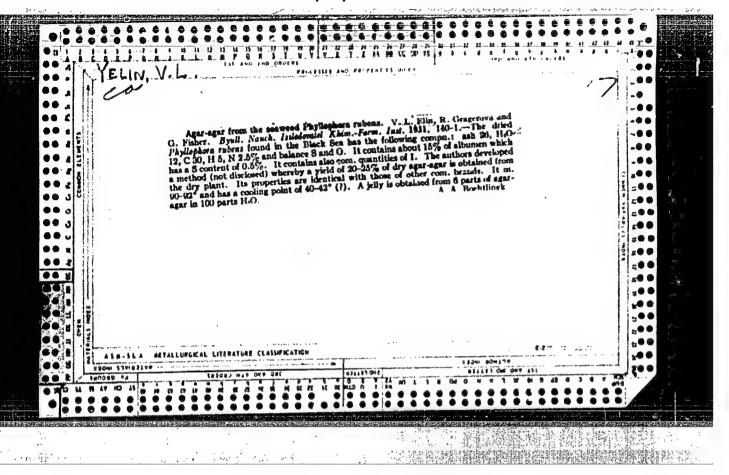
Card 1/2

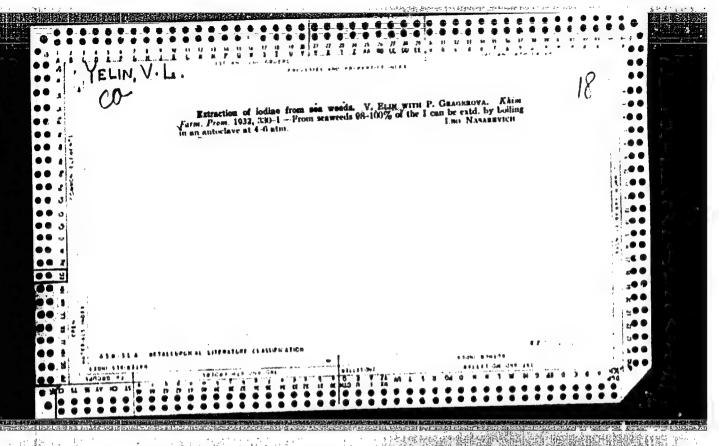
ACC NR: AT6036707

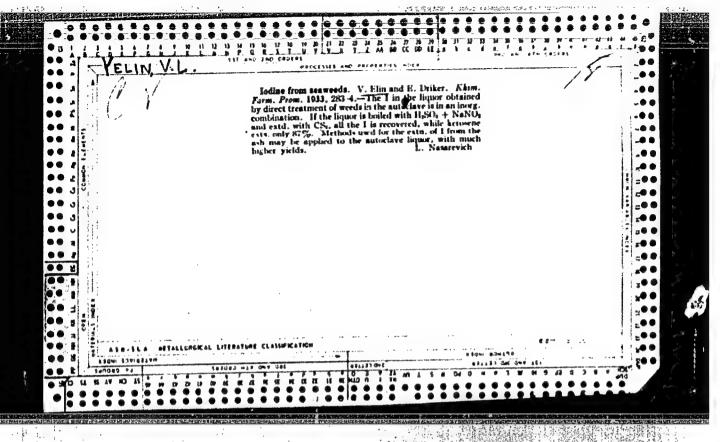
grams are given for different temperatures, and the ultimate tensile strength and relative elongation are given as functions of temperature. At higher temperatures, the natural stress and strain decreased, while with superimposed ultrasonic oscillations they decreased even further. Ultrasonic oscillations decreased the natural stress and the ultimate tensile strength by 40-50%, and the relative elongation by 20-35%. At 600°C, the ultimate tensile strength without ultrasonics was equal to the ultimate tensile strength at 100°C with an ultrasonic field superimposed. Microhardnesses in the tensile fracture zone were higher when the ultrasonic field was absent. Also, the etchability of grain boundaries was greater in samples deformed in an ultrasonic field. It was concluded that ultrasonic oscillations intensified dislocation mobility and general diffusion processes, facilitating plastic deformation. Orig. art. has: 2 figures, 1 table.

SUB CODE: 11/ SUBM DATE: 08Jul66/ ORIG REF: 003/ OTH REF: 002

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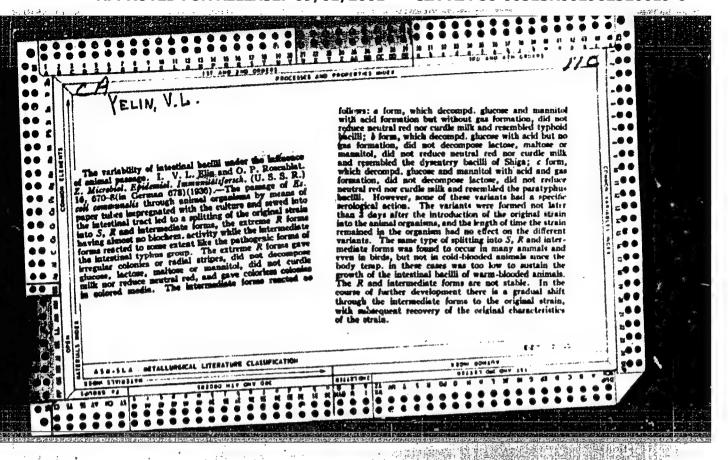


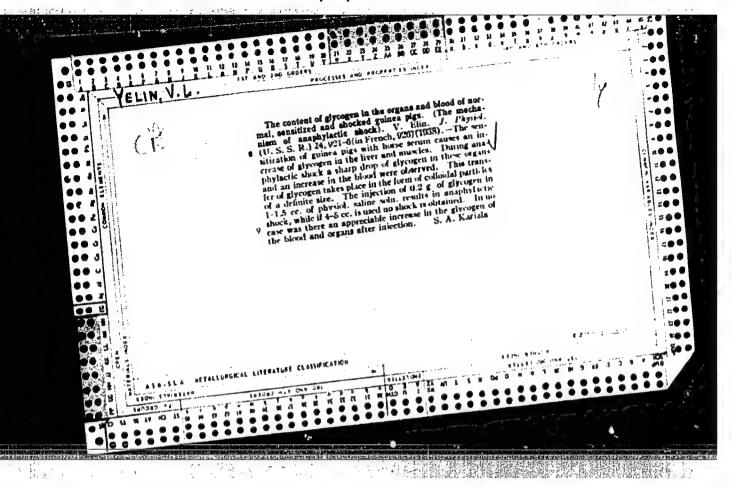


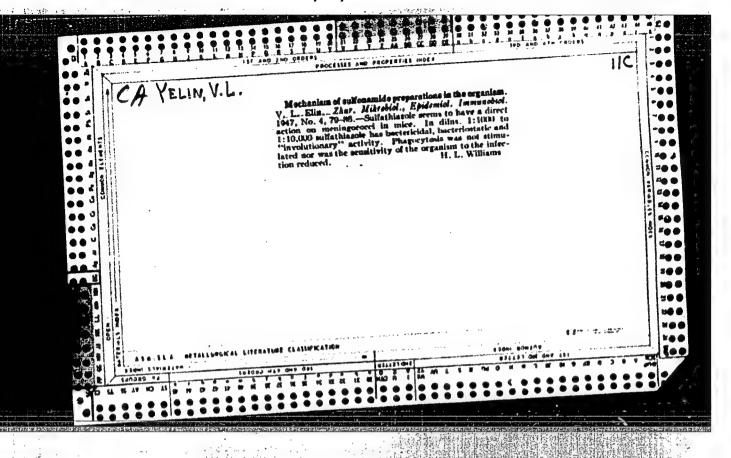


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YELIN, V. L.	USSR/Wedicine - Modification of Micro- "Data or Flexmer Dysentery Bacilli Contained in "Data on Flexmer Dysentery Bacilli Contained in Filter Paper Tubes Which Had Been Sewn Into the Filter Paper Tubes Which Had Been Sewn Into the Filter Faper Tubes Which Had Been Sewn Into the Time, "V. L. Yelin, F. Ya. Satanovskays, Chair of Time, "V. L. Yelin, F. Ya. Satanovskays, Chair of Time, "V. L. Yelin, F. Ya. Satanovskays, Chair of Time, "V. L. Yelin, F. Ya. Satanovskays, Chair of Time, "V. L. Yelin, F. Ya. Satanovskays, Chair of Microbiol, Irkutsk Med Inst Microbiol, Irkutsk Med Inst And Inst Had Inst and Inst France W dysentery Bacilli (I) in Culture. and of the rabbits contained a large quantity of of the rabbits contained a large quantity of saglutinins, while the tubes of filter paper contained I were abbits contained a large quantity of of I were avirulent and did not agglutinate, while of I were avirulent and did not agglutinate, while of I were avirulent and and antibodies, trans- the effect of leukocytes and antibodies, trans- the effect of leukocytes and antibodies, trans-	Office of the state of the stat
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IELIN, V.L.; ERMANUV, V.M., redaktor; Sacheva, A.i., ceknnicheskiy re
[Variability of microorganisms] Ismenchivost' mikrobov. Moskva, Gos.

[Microorganisms) (Variation (Biology))

[Microorganisms] (Variation (Biology))

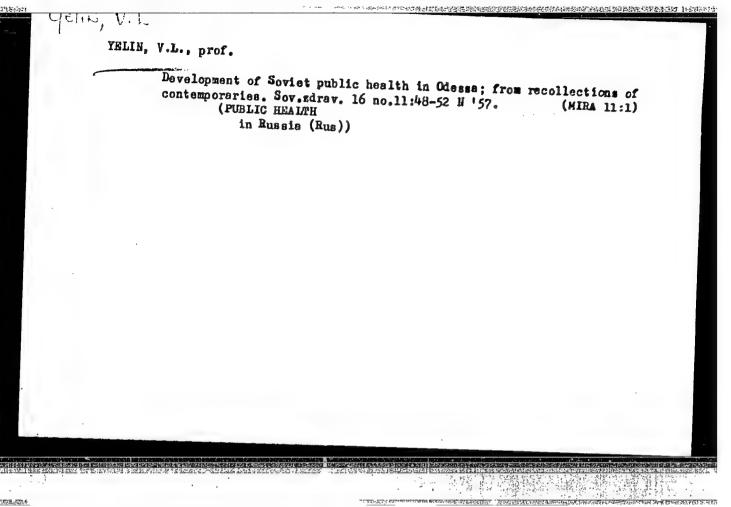
YELIN, V.L.; OSTROVSKAYA, L.P.

w.

Maria Santa

Are antibacterial antibodies capable in themselves of destroying germs in the actively immunized body? Zhur.mikrobiol.epid. i immun., supplement for 1956:5 '57 (MIRA 11:3)

1. Iz Khar'kovskogo instituta vaktsin i syvorotok imeni Mechnikova i kafedry mikrobiologii Irkutskogo meditsinskogo instituta. (BACTERIOLYSIS) (ANTIGENS AND ANTIBODIES)



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YELIN

USSR / Microbiology. General Microbiology. Physiology and Biochemistry. F-1

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71915.

Author : Yelin, V. L.; Vasyurenko, K. G.

Inst : Not given.

Title : Growth of Heterotrophic Bacteria in a Medium

Without Organic Substances.

Orig Pub: Mikrobiol. zh., 1957, 19, No 2, 11-13.

Abstract: A suspension of <u>Bacterium coli communo</u>, <u>Bact.</u>

<u>pyocyaneum</u>, and <u>Bact. proteus vulgaris</u> was poured into tost tubes with a Vinogradskiy nitrification medium which contained no organic substances. After incubation at 37° in an atmosphere deprived of CO2, a seeding was made of the test tubes' contents on nutrient agar plates and the number of colonies raised was counted.

Card 1/2

Khar kor Inst Vaccines

7

.USSR / Microbiology. General Microbiology. Physiol- F-1

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71915.

Abstract: An increase in the number of cells was established in comparison with those entered in Vinogradskiy's medium; in addition, no exidation of ammonia was observed with nitrites and nitrates. The increase in the number of cells also took place with the exclusion of ammonium sulfate from Vinogradskiy's medium. The conclusion is made that under test conditions the above-mentioned bacteria obtain the carbon and energy required by them from volatile organic substances in the air. -- V. Kalakutskiy.

Card 2/2

YELIN, V.L.

Biology of Escherichia coli [with summary in English]. Mikrobiologiia 26 no.1:17-21 Ja-F '57. (MIRA 10:6)

1. Irkutskiy meditsinskiy institut.
(ESCHERICHIA COLI,
biol. (Rus))

YRLIN, V.L.; VASYURENKO, K.I.

Assimilation of organic substances from the air by heterophilic bacteria as a sole source of carbon and energy [with summary in English]. Mikrobiologiia 27 no.6:709-713 N-D 58.

(MIRA 12:1)

1. Thar kovskiy institut imeni I.I. Mechnikova. (BACTERIA.

assimilation by heterophilic bact. of organic substances from air as only source of carbon (Rus)) (CARBON, metab. same)

YELIN, V.L. [IElin, V.L.]; OVCHARENKO, O.I.; RUMYANTSEVA, I.V.

Can Nitrosomonas assimilate organic matter from the air?
Mikrobiol. zhur. 22 no. 5:1-5 '60. (MIRA 13:10)

1. Khar'kovskiy institut vaktsin i syvorotok.
(NITROSOMONAS)

YELIN, Vladimir Leot'yevich, prof.; RICHENKO, N.I., red.; CHUCHUPAK, V.D., tekhm. red.

[General problems of infectious and immune processes] Obshchie voprosy infektsionnogo i immunnogo protsessov. Kiev, Gosmedizdat USSR, 1961. 216 p. (MIRA 15:6) (IMMUNITY) (INFECTION)

MIKHEYEV, V.P.; MIDNIKOV, Yu.P.; YELIN, Yo.F.

Plant testing of flat multinozzle injector gas burners.
Gaz. prom. 10 no.7:18-21 '65. (MIRA 18:8)

YELIN, Ye.Ya., kand.sel'skokhozysystvennykh nauk, dotsent

Mapping nautral vegetation when compiling soil maps for collective and state farms. Nauch trudy UASHN 10:181-187 '60. (MIRA 14:3) (Phytogeography—Maps) (Soils—Maps)

DOBRYNIN, V.P., prof.; OL'SHANSKIY, M.A., akademik, lektor; YELIN, Ye.Ya., dots.; FAT'YANOV, A.S., prof.; GUBAREV, A.N.; TKACHEHKO, P.I., dots.; CHIZHEVSKIY, M.G., prof., lektor; AVDONIN, M.S., prof., lektor; SAVZDARG, lektor; ONUCHAK, A.I., dots.; DUNIN, M.S., prof., lektor; SAVZDARG, E.E., prof., lektor; KREMENETSKIY, N.D., dots., lektor; AVER'YANOV, S.F., dots., lektor; POLUBOYARINOV, I.I., dots.; GUBAREV, A.N., red. izd-va; NAUMOV, K.M., tekhm. red.

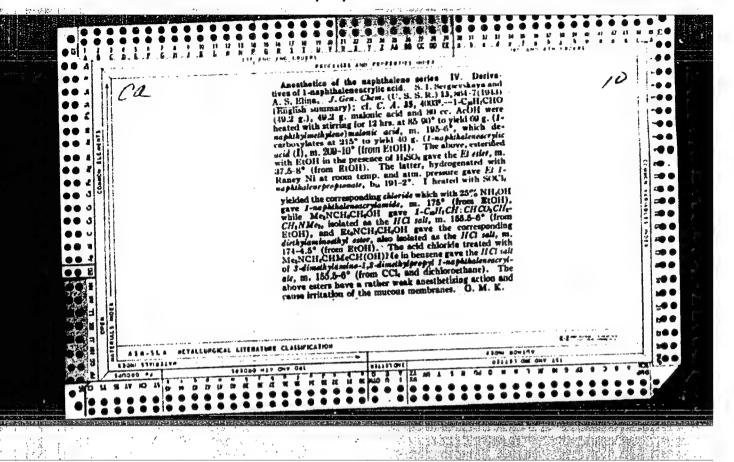
[Textbook on agriculture for party schools]Uchebnoe posobie po sel'-skomu khoziaistvu dlia partiinykh shkol. Moskva. Pt.l. [Crop farming] Zemledelie. 1958. 397 p. (MIRA 15:1)

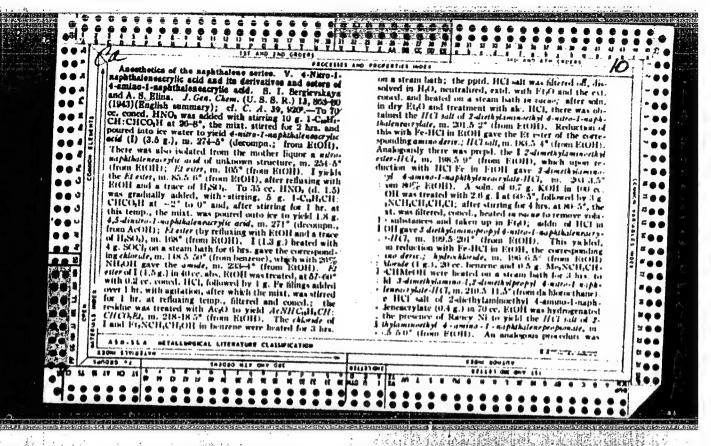
1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola. 2. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Dobrynin, Ol'shanskiy, Gubarev, Tkachenko, Chizhevskiy, Avdonin, Onuchak, Dunin, Savzdarg, Kremenetskiy, Aver'yanov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Ol'shanskiy). 4. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Ukrainy (for Yelin, Poluboyarinov). 5. Gor'kovskaya Vysshaya partiynaya shkola (for Fat'yanov). (Agriculture)

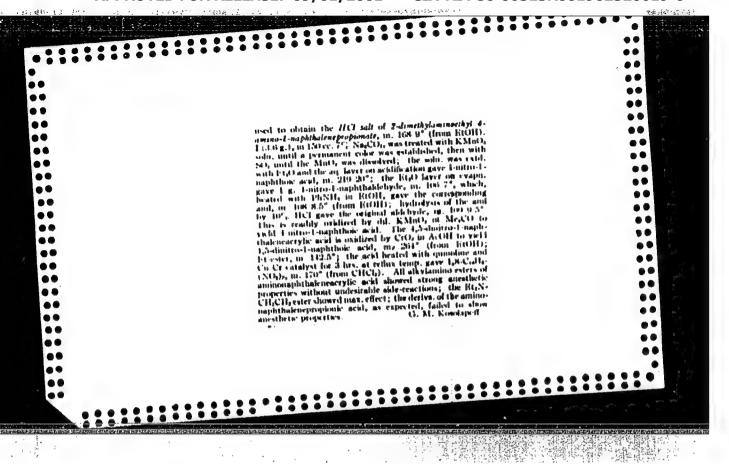
YELIN, Yu.Ya. [IElin, IU.IA.], dotsent; GRIGORA, I.M. [Hryhora, I.M.], assistent

Natural forage lands on floodlands of the upper Zbruch River and ways for their improvement. Nauk. pratsi UASHN 17 no.12:93-99 '60. (MIRA 16:7)

(Zbruch Valley-Pastures and meadows)







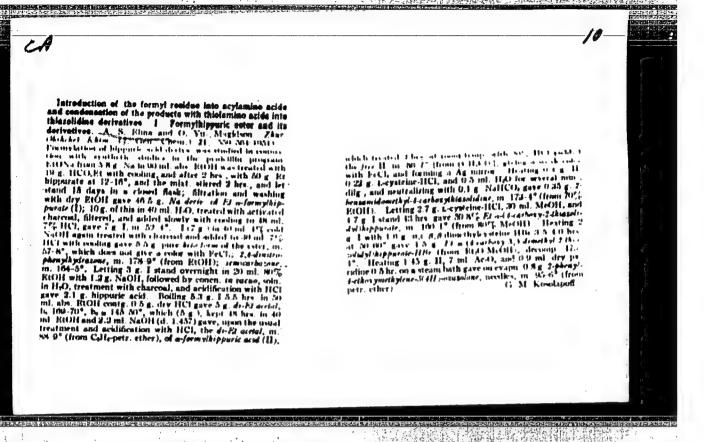
FINA, A. S.

"On the Chemical Structure of 2-Sulphenylemidogyr'dine. (Sulphidine) and its E-Substituted by the Alkylearboxylic Acids." by G. Yu. Maghicaon and A. S. ilia. (p. 1933)

SC: Journal of General Chemistry (Zhurral Chalchei Khi ii) 1946, Volume 16, No. 11

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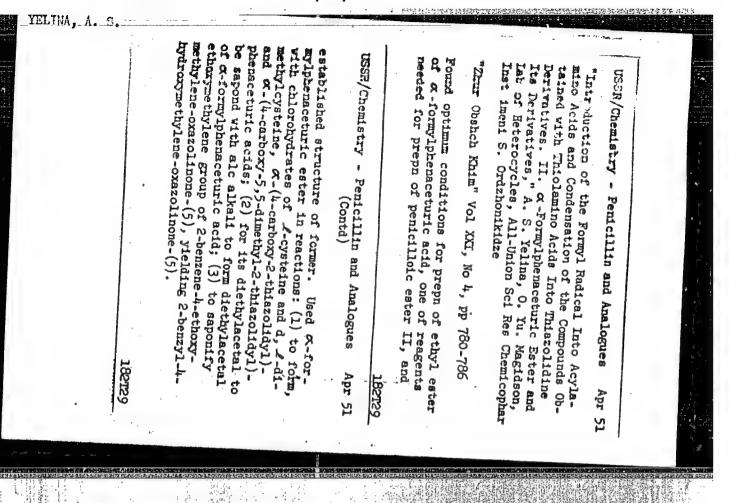


YELINA, A. S.	176730	USER/Chemistry - Antibiotics "Introduction of the Formyl Radical Into Acylamino Acids and Condensation of the Compounds Obtained With Thiolamino Acids Into Thiazolidine Derivatives, A. S. Yelina, O. Yu. Magidson, Lab of Heterocycles, Anti-Union Sci Res Chemicophar Inst imeni S. Ordz-bomikidze "Zhur Obshch Khim" Vol XXI, No 3, pp 559-564 Synthesis of analogues of penicillinic acid. Studded formylation of hippuric ester; sepd carbonyl form of formylhippuric ester. Synthesized: diacetaihippuric ester, formylhippuric acid; 2-benzoy-laminomethyl-4-carboxythiazolidine; ethyl esters of 176730 USSR/Chemistry - Antibiotics (Contd) War 51 Oc-(4-carboxy-2-thiazolidyl)- and oc-(4-carboxy-5,5-dimethyl-2-thiazolidyl)-hippuric acids; and 2-phenyl-4-ethoxymethylene-oxazolinone-(5).

951

mixed lid g. enol-keto forms of Et as formylphenacetarde (L), with FeCl₃ in EtOH. Reactions of PhCH, NRCH, Cole an oil. Treatment with the caled, aint, of 2,4-(c), with FeCl₃ in EtOH. Reactions of PhCH, NRCH, Cole and clip. Health and addn. of I drop coned. HCI gave rapid crystin, of the 2,4-dinitrophenyllydrations, in. 1867-28 which did not have a CHO or HOCH-groun. G. M. K. (from EtOH). Gradual addn. of Al-Hig to 5 g. ester in 150 inl. moist ether gave after 3 days' reaction 3.2 g. Et ester of N-(phenylacetyl) period. an oil. Boding this with 1:15 HSO₄ yields PhCH₄CO₅H, while the filtrate, treated with

Introduction of the formyl radical into acylamino acids and condensation of the products with thiolamino acids into thiazolidine derivatives. II. as formylphenaceturic esters and derivatives. A. S. Elina and O. Vu. Magidson (S. Ordchonikidre All-Union Chemi-Pharm. Inst., Moscow). Zhue. Obiskelt Rhom (J. Gen. Chem.) 21, 780-6(1951); (L. C. E. 4.5, 8513g.) To 55.5 g. powd. Na in 575 ml. alos. Et O. S. Elina, and O. Vu. Magidson (S. C. E. 4.5, 8513g.) To 55.5 g. powd. Na in 575 ml. alos. Et O. S. Elina, and C. C. E. 4.5, 8513g. To 55.5 g. powd. Na in 575 ml. alos. Et O. S. Elina, and Elita in the Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Et O. S. Elina, and Elita in 575 ml. alos. Elit with P.Cl. in Little. Reactions of PhCH, MICH, CORE



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May 52

O. Yu. Magidson A.S.Yelina,

USSR/Chemistry - Antibictics; Penicillin

"The Reaction Between Diethyl Acetal of Formylhippuric Acid and Thionyl Chloride," Lab of Heterocyclic Compds, All-Union Sci Res. Chem Pharm Inst im Ordzhonikidze

Zhur Obshch Khim, Vol 22, No5, pp 874-879

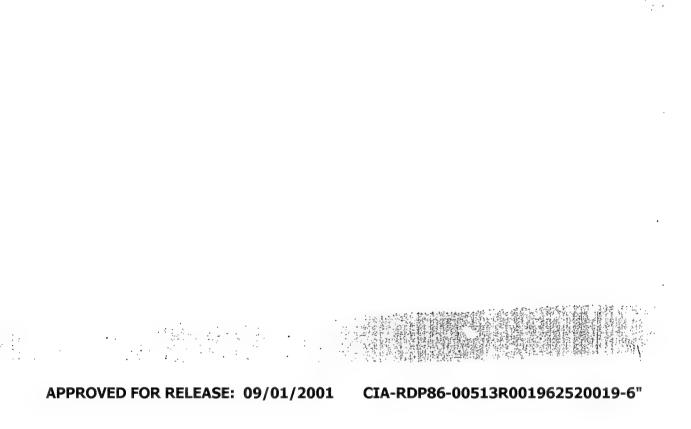
In the reaction between formylhippuric acid (I) and thicnyl chloride (II) (1 gram-mol: 1 gram-mol), a mol of et alc is split off and ethoxymethylene hippuric acid (III) is formed. When, treated with acetic anyhydride or II at a 1 gram-mol: 1 gram-mol ratio, III yields 2-phenyl-h-ethoxymethyleneoxazolinone-(5) (IV). The ethoxymethylene group of III in contrast to the analogous group of IV is not attacked by alkalies, The diethyl acetal-formylhippuric acid reaction, when carried out with a 1 gram-moli2.5 gram-mol ratio, yields IV and on prolonged interaction results in the hydrochloride of IV. The authors disagree with the theory of the mechanism of the formation of salts of the 2-phenyl-h-alkoxy-methylene oxazolinones, as suggested by Hunter, Hinman, and Carter, "The Chemistry of Penicillin" (1949) 2-phenyl-h-anilincmethylencoxazolinone-(5) exists in a low-melting and a high-melting form. The low-melting form changes into the high-melting one.

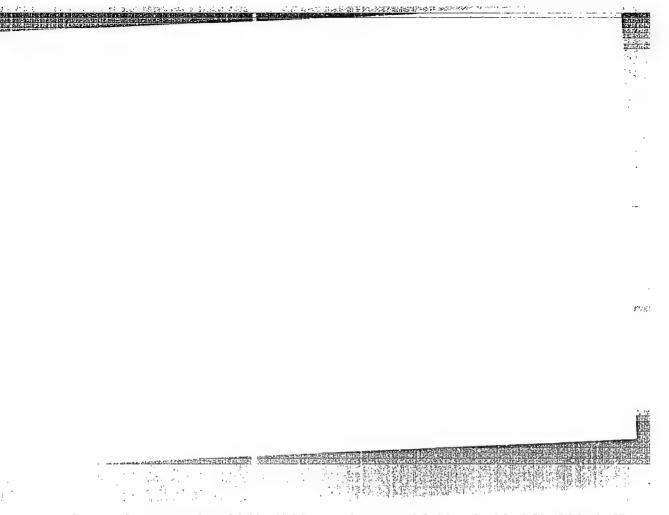
263 T 37

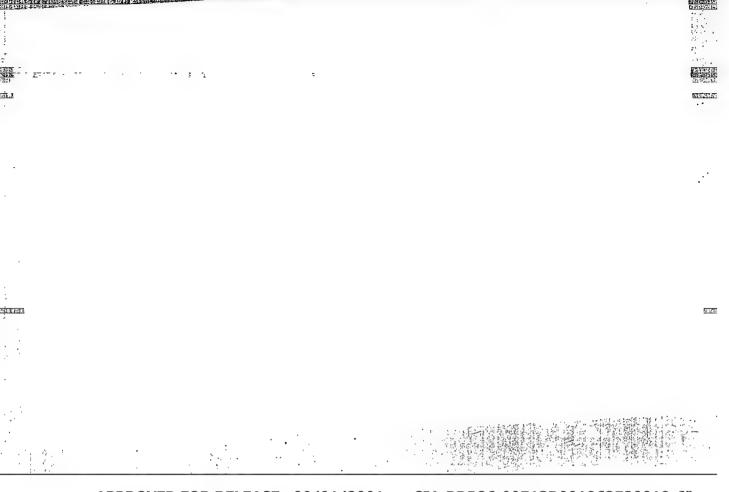
APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520019-6

Chemical Abst. Vol. 48 No. 5 Har. 10, 1954 Organic hemistry	The reaction of formylbinning acid diethyl acetal with thionyl chloride. A. S. Linia and O. vii. Magrison (S. Hiddenikulze All-Union Research Inst. Pharm. Chem., Moscow). J. Gen. Chem. U.S.S.R. 22, 835-8(1952)(Engl. translation).—Sec C.A. 47, 32751. H. L. II.







•	
	79-28-5-61/69
AUTHOR:	Yelina, A. S. N-Oxides of the Quinoxaline Series (N-Oksidy khinoksalino-
TITLE:	vogo ryada). II. N-Oxides of the β-(Quinoxaly1-2)-Propionic- and γ- II. N-Oxides of the β-(Quinoxaly1-2)-Acrylic Acid (II. N-Oksidy β-(khinoksalil- (Quinoxaly1-2)-Acrylic Acid (II. N-Oksidy β-(khinoksalil-2)-akrilovoy kisloty) 2)-propionovoy i β-(khinoksalil-2)-akrilovoy kisloty)
PERIODICAL:	Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr.);
ABSTRACT:	In connection with the previous publication by the author and her collaborator (Reference 1) it was of interest to and her collaborator (Reference 1) it was of interest to and her collaborator (Reference 1) it was of interest to and her collaborator (Reference 1) it was of interest to and her to investigate the N-oxides of \(\beta - \) (quinoxalyl-2) her to investigate the N-oxides of this acid the electoracteristics. As in the molecule of this acid the electoracteristics. As in the molecule of this acid the cycle of the trophilic carboxyl group is separated from the cycle of the trophilic carboxyl group is separated from the cycle of the two-membered saturated carbon chain it was to be expected two-membered saturated carbon chain it was to be expected that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid could be obtained by direct oxidation of the initial acid could be obtained by direct oxidation of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2)-proprionic acid that the Di-N-oxide of the \(\beta - \) (quinoxalyl-2
Card 1/3	that the blandout direct exidation of the initial could be obtained by direct exidation of the initial could be obtained by direct exidation of the initial could with hydrogen peroxide. The 1,4-Di-N-oxide of the \(\beta\)-(qui-with hydrogen peroxide. The 1,4-Di-N-oxide of the initial could will have a substant of the initial could be obtained by direct exidation of the initial could be obtained by direct exidence of the initial could be obtained by direct exidation of the initial could be obtained by direct exidation of the initial could be obtained by direct exidation of the initial could be obtained by direct exidation of the initial could be obtained by dir

N-Oxides of the Quinoxaline Series.

II. N-Oxides of the β -(Quinoxaly1-2)-Proprionic- and β -(Quinoxaly1-2)-Acrylic Acid

79-28-5-61/69

yield in its oxidation with 45% hydrogen peroxide in glacial acetic acid. On less rigorous conditions (5%H202!) this oxidation showed, however, that the electrophilic carboxyl group in the given case also exerts a certain influence on N1 of the quinoxalylcycle as the mono-N--oxide obtained at the end of the reaction turned out to be an 4-N-oxide of the \(\beta\)-(quinoxaly1-2)-proprionic acid; this influence seems to be of induction character. Thus it was found that in the oxidation of \$\beta\$-(quinoxaly1-2)-proprionic acid with diluted peroxide in acetic acid a mono-N-oxide forms the nitrogen being in position 4, but that with higher concentration of the peroxide also the oxidation of the second nitrogen takes place with the formation of the 1,4-Di-N-oxide of the 3-(quinoxaly1-2)-proprionic acid. In the hydration of this compound, first the N4-O-group, and then, the second N1-O-group is reduced. A method of synthesis for the A-(quinoxaly1-2)-acrylic acid of quinoxaly1-2-aldehyde and malonic acid was proposed. There are 3 references, 2 of which are Soviet.

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N-Oxides of the Quinoxaline Series. II. N-Oxides of the 6- (Quinoxaly1-2)-Propionic and B-(Quinoxaly1-2)-Acrylic Acid

79-28-5-61/69

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy k'nimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (All-Union Scientific Chemical Pharmaceutical Research Institute imeni S. Ordzhonikidze)

SUBMITTED:

April 13, 1957

Card 3/3

CIA-RDP86-00513R001962520019-6" APPROVED FOR RELEASE: 09/01/2001

sov/79-29-8-71/81

5(3) AUTHOR:

Yelina, A. S.

TITLE: ,

N-Oxides of the Quinoxaline Series. III. N-Oxides of the α-Alkyl-β-(quinoxalyl-2)-propionic Acids

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8,

pp 2763 - 2768 (USSR)

ABSTRACT:

The author continued her investigations of the chemical and biological properties of the N-oxides of the quinoxaline series (Ref 1) and in the present case synthesized the α-alkyl-β-(quinoxalyl-2)-propionic acids and their N-oxides. These acids were obtained by the scheme mentioned. The initial product for this synthesis had to be 2-bromoethylquinoxaline. So far its synthesis had not been successful. G. M. Benett and G. H. Willis synthesis had not been successful. G. M. Benett and G. H. Willis (Ref 2) obtained in the bromination in acetic acid in the presence of sodium acetate the 2-ω -tribromomethylquinoxaline (10%) only. R. M. Acheson (Ref 3) could not do more than confirm that result. The attempts on the part of the author to obtain 2-bromoethylquinoxaline by the bromination of 2-methylquinoxaline in acetic acid and other solvents failed as well. Here a strong resinification of the reaction products occurred.

Card 1/2

N-Oxides of the Quinoxaline Series. III. N-Oxides of the SOV/79-29-8-71/81 α-Alkyl-β-(quinoxaly1-2)-propionic Acids

> The bromination of 2-methylquinoxaline to the monobromo derivative was successful in a highly acid medium (a mixture of sulphuric and acetic acids). The 2-bromomethylquinoxaline yield was 36.7%; the second reaction product was 2-W-dibromomethylquinoxaline (26.6%). The condensation of 2-bromomethylquinoxaline with the sodium derivatives of alkyl malonates and subsequent saponification of the condensation products and decarboxylation of one of the carboxyl groups resulted in the α alky1- β -(quinoxaly1-2)-propionic acids. By the oxidation of these acids with perhydrol in acetic acid the 1,4-di-N-oxides of the a-alkyl-\$G-(quinoxalyl-2)-propionic acids were obtained. The bromine atoms in the molecule of 2-40-dibromomethylquinoxaline are not easily substituted. The 2-bromomethylquinoxaline causes tears, darkens when exposed to light, and is resinified gradually into a black mass. There are 5 references, 1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (All-Union Scientific Chemopharmaceutic Research Institute imeni S. Ordzhonikidze)

SUBMITTED: Card 2/2

July 5, 1958

CIA-RDP86-00513R001962520019-6" APPROVED FOR RELEASE: 09/01/2001

YELINA, A.S.

N-Oxides of the quinoxalin series. Part 4: Oxidation-reduction reactions of N-oxides of 2,3-dimethylquinoxaline. Zhur. ob. khim. 31 no.3:1018-1023 Mr '61. (MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovateliskiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.
(Quinoxaline)

KEROPIYAN, M.P.; YELINA, A.S.

Stereochemical studies in the series of levomycetin (chloroamphenicol) derivatives. Part 1: Hydrolysis of nitro ethers of three- and erythro-1-(p-nitrophenyl)-2-acylamino-1, 3-propanediols. Zhur.ob. khim. 31 no.10:3298-3303 0 161. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(Propanediol)

YELINA, A.S.

M-oxides of the quinoxaline series. Part 5: Reactions of M-oxides of quiroxaline and 2-methylquinoxaline with acetic anhydride. Thur.ob.khim. 32 no.9:2967-2973 S 162. (MIRA 15:9)

YELINA, A.S.; TSIRUL'NIKOVA, L.G.

N-oxides of the quinoxaline series. Part 6: N-oxides of quinoxaline amino and hydroxy derivatives. Zhur. ob. khim. 33 no.5: 1544-1551 My '63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze. (Quinoxaline)

YELINA, A. S.; TSYRUL'NIKOVA, L. G.

H-oxides of the quinoxaline series. Fart 7: Hydroxymethylation of 2-methyl-and 2,3-dimethylquinoxalines and their N-cxides. Zhur. ob. Khim. 34 no.6:2077-2081 Je '64. (LIRA 17:7)

1. Veseoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni Ordzhonikidze.

YELINA, A.S.

Reaction of 1,4-di-N-oxide of quinoxaline with benzemeaulfonic chloride. Zhur. ob. khim. 34 no.8:2809-2910 Ag '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

YELINA, A.G., TEYHUL'NIKOVA, L.G.; MENWEDEVA, M.I.

N exides of the quincusline series. Part 8: Oxidation of dimethylquingxaline and its methylol derivatives by nitric acid. Thur. org. knim. 1 no.1:147-149 Ja *65. (MIRA 18:5)

1. Vseroyuznyy natenno issledovateliskiy khimiko-farmatseviicheskiy institut imeni S.Crdzhonikidze.

YELINA, A.S., TSYRUL'BIKOWA, L.G.

N-cyldes of the quincualine series. Part 10: -cxy (acetoxy)propyl derivatives of quincualine and their N-cxides. Zhur. org. khim. 1 no.6:1159-1162 Je '55. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issladovatel'skiy khimiko-farmatsevticheskiy institut imeni Ordzhonikidze.

TRAINS, G.A.; YUEKOVSKAYA, T.K.

Bogs on the White Sea shore of Karelia. Bot. zhur. 50 no.4:485-497 Ap 165. (MIRA 18:5)

1. Institut biologii Petrozavodskogo gosudarstvennogo universiteta.

YELINA, G.L.; GUSEV, S.S.; YERMOLENKO, I.N.

Frequention and spectral study of partially acetylated carboxyl-containing cellulose. Dokl. AN BCER 8 no.2x104-107 F *164. (MIRL 17:8)

1. Institut obshchey i neorganicheskoy khimii AN RSSR. Predstavlono akademikom AN RSSR M.M. Favlyuchenko.

GAVRILOV, M.Z.; YERMOIENKO, I.N.; YELINA, G.L.

Ultraviolet absorption spectra of acetyl cellulose. Opt. 1
spektr. 18 no.3:515-517 Mr '65.

(MIRA 18:5)

YELLT-A. L. H.

"Mechanism of Electrochemical Generation of Oxygen on Nickel and Iron." Sub 7 May 51, Order of the Labor Red Banner Sci Res Physicochemical Instiment L. Ya. Karpov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520019-6

YELIHA. L. M.

USSR/Chemistry

Card 1/1

Authors

: Elina, L. M., Borisova, T. I., and Zalkind, Ts. I.

Title

The process of electro-chemical separation of oxygen on nickel

Periodical

: 2hur. Fiz. Khim., 28, Ed. 5, 785 - 796, Hay 1954

Abstract

: Investigation of the state of a nickel electrode, during its anode polarization to potentials corresponding to the zone of oxygen supertension, showed that the separation of the oxygen takes place on the surface of the electrode covered with an oxide layer and that the very act of oxygen separation is closely connected with the properties of these oxides. The processes of electrode oxidation and oxygen separation are simultaneous at one and the same potential. At small current densities the rate of oxygen separation is limited by the rate of decomposition of the higher oxygen compound. The mechanism of the oxygen separation process is explained. Fifteen references: 3-German since 1905, 11-USSR, 1-English. Tables,

drawings, graphs and photos.

Institution : Phy L. Ya. Karpov Physico-Chemical Institute, Moscow

Submitted

: July 3, 1953.

ELINA, L.M.

USSR/Physical Chemistry - Electrochemistry.

B-12

Abs Jour

: Referat Zhur - Khimiya, No 6, 25 March 1957, 18722

Author

Elina, L.M., Borisova, T.I., and Filippov, T.S.

Inst

: RZhKhim, 1957, 7680

Title

On the Mechanism of Electrochemical Formation of Oxygen Compounds of Chlorine Upon a Smooth Platinum Electrode. II. Investigation of the Process of Oxidation of Chlori-

ne-ion by the Method of Alternating Currents.

Orig Pub

: Zh. fiz. khimii, 1956, 30, No 6, 1282-1290

Abstract

The authors examined the mechanism of anode oxidation of Cl⁻ ion in acid solutions, upon smooth Pt-electrode, by the methods of measuring capacitance (C) and resistance in alternating current of different frequency (10-2000 hc), and by taking polarization curves. The presence of a sharp maximum in the region of potentials (E) (+1.4) - (+1.5) v. (n.v.e.) upon the curve (C,E) measured in an acidified solution of Na₂SO₄ containing 0.1 n. HCl,

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520019-6"

- 1. YELINA, L. M.
- 2. USSR (600)
- 4. Oka-Tena Region Coal

7. Lithological-petrographical studies of the coal deposits of the northern part of the Oka-TSna anticline (thematic work for 1942). (Abstract.) Izv.Glav.upr.geol.fon. no. 2, 1947

4. Monthly List of Russian Accessions. Library of Congress. March 1953. Unclassified.

IL'IHA, N.S.; YELINA, L.M.; FRUKHT, D.L.

Geological structure of Oorkiy Province and adjacent regions.
(MERA 9:11)
Trudy VNICHI no.6:3-11 '55.
(Gorkiy Province-Geology, Stratigraphic)
(Gorkiy Province-Coal geology)

YELINA, L.M.

SUVCHOV.

LECHTPAYLO, E.K., MESECY, T.L., 2...

IVARIOTA, Z.P., E.C.II., E.C.

Central provinces of the Eunnian Platform. Trudy VMIGHI de.101171-248

(MIRA 10:9)

(Russien Flatform-Geology)

INA.LM.

20-5-48/67

AUTHOR TILL

SEMIKHATOVA S.V., YELINA L.E., DALMATSKAYA I.I. The Moscow Stage of Middle Carboniferous in the Melekess Depression. (Moskovskiy yarus Srednego karbona v Welekesskoy vpadine -Russian) Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 5, pp 1119-1122 (U.S.S.R.)

PERIODICAL

ABSTRACT

The deposits of the Moscow stage near the city of Welekess(in the territory of Kuybyshev=Samare) were laid open in a depth of 1167-785 m. The deposits of the Verey horizon(hh m) are concordantly stratified on the rocks of the upper part of the Bashkir stage. This horizon is subvidided into 3 lithological stratified packets. The lowest (8 m) consists of limestone with a sparse admixtures of clay and intermediate strata or alcurites and dolomites. In limstone there is a lot of organogenic detritus of foraminifera, crinoids, brachiopods, and algae. The middle packet (30 m) is a varying stratification of clays, marls, aleurites, limestone, and rare dolomites. Clays are predominant, with 7-27°/ aleurite-admixture, with calcareous intermediate strata which contain fragments of crinoids, brachiopods, as well as remains or plant tissue and lentiform intermediate strata of crushed brachiopodshells. The Kashir horizon consists of 2 stratified packets. The lower one (22 m)consists of limestone with inferior dolomites. The top packet (68 m) consists of limestone with thin clayey intermediate strata, its structure, nowever, is on the whole similar to that on the lower packet. The Podol horizon is at the top faintly characterized by fauna and its boundary is traced according to electric carrotage. Compared to the Kashir horizon the dolomites are here more developed than the limestone. Among limestone, alga-

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962520019-6"

The Moscow Stage of Middle Carboniferous in the Kelekess 20-5-48/67 Depression.

limestones are charcteristic.3 stratified packets: 42,49, and 36 m. In the lower organogenic -detritt clayey limestone with thin dolomits-intermediate strata and lentils of green clay dominate. Among the remains of organism there are up to 200/ pryozoa-flakes, elsewhere up to 150/ siphonic-algae. In the second packet dolomites with clayey intermediate strata and rare prints of brachiopods predominate, inclusions of gypsum, anhydrite, and flint are found. The top packet is chiefly built of organigenic-detritic limestone with dolomite-intermediate strata in the middle part. The Myachkow horizon consists of limestone with dolomite-and clayey intermediate strata as in the Podol horizon. There are three packets: 6,5,25, and 00 m. Also here anhydrite, gypsum, and flint are to be found. The first packet consists of organo-detritic limestone with clayey intermediate strata, frequently such of shell-rock are up to 1,5-3 cm thick. The second packet consists or dolomites with intermediate strata of organogenic-splintery and sometimes oolithic limestone. For aminifera and brachiopods were determined. The third packet consists of varying stratifications of limestone, delemite, and thin clayey strata of similar character as on the top. The total thickness of the deposits of the Moscow stage amounts in Melekess to 383 m and thus surpasses those of the right bank of the Volga to some extent. According to the rock-types of the single horizons and the total composition of the fauna the deposits of this stage in Melekess are equal to the deposits of the same age in the Tataric vault and in the central parts of the Moswow syneclysis although local peculiarities are to be notices.

Card 2/3

gations.

The Moscow stage of Middle Carconiferous in the Melekess 20-5-18/67 Depression.

ASSOCIATION

Allunion-scientific Research-Institute for Geological retroleum-investi-

PRESENTED BY STRAHKOV N.M., Kember of the Academy

SUBLITTED AVAILABLE

22.10.1956

Library of Congress

Card 3/3

CIA-RDP86-00513R001962520019-6" APPROVED FOR RELEASE: 09/01/2001

IL'INA, N.S., kand.geologo-mineralog.nauk; YELINA, I. H.; HYZHOVA, A.A.;

BUZINOVA, V.M.; DMITRIYEVA, L.Ya.; GIMPELEVICH, E.D.; GALAKTIONOVA,

B.M.; IL'INSKAYA, V.V.; SOLOV'YEVA, N.S.; KARASEV, M.S.; BAKIROV, A.A.,

red.; VEBER, V.V., red.; DANOV, A.V., red.; DIKENSHTEVN, G.Kh., red.;

MAKSINOV, S.P., red.; POZNYSH, M.A., red.; SAIDOV, M.H., red.;

SEMIKHATOVA, S.V., red.; TURKEL'TAUB, N.M., red.; UL'YANOV, A.V., red.

[deceased]; KHALTURIN, D.S., red.; SHABAYEVA, Ye.V., red.; CHIZHOV,

A.A., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Coal deposits of the central provinces of the Russian Platform]

Kamennougol'nye otlozheniia tsentral nykh oblastei Russkoi platformy.

Pod red. N.S.Il'inoi. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i
gorno-toplivnoi lit-ry, 1958. 209 p. (MIRA 12:3)

(Russian Platform--Coal geology)

SEMIKHATOVA, S.V.; YELINA, L.M.

Carboniferous sediments. Trudy VNIGNI no. 10:41-51 '58. (MIRA 14:5) (Russian Platform—Geology, Stratigraphic)

AUTHORS:

Semikhatova, S. V., Yelina, L. M., Dalmatukiya, I. I.

TITLE:

Deposits of the Bashkirskiy Stage in Melekess (Otlozheniya bashkirskogo yarusa v Melekesse)

PERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 2, pp. 381 - 383 (USSR)

ABSTRACT:

These sediments are deposited with a stratigraphic discordance on the rocks of the Protvinskiy horizon. The gap in the sedimentation manifests itself here in the development of lime-conglomerates and in a high secondary change of the rocks in the upper part of this horizon. The Bashkirskiy stage is 45 m thick and lithologically subdivided in 2 horizons of loal importance. The exact identification of the latter may be carried out because of certain local differences of the foraminifera fauna. The lower horizon (probably analogous to the Molotovskiy horizon) is 26 m thick and consists of light-gray and white limes which are highly recrystallized and highly silicified, and which contain flint-inclusions and clay--admixtures. With regard to fauna crinoid-foraminifera-limes predominate, those containing brachiopods and other fossils of animal groups are more seldom represented. The foraminifera fauna makes assume an analogy with the Molotovskiy horizon, but the Pseudostaffella are too scarce for this. On the other hand the occurrence of

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20-2-50/60

Deposits of the Bashkirskiy Stage in Helekess

numerous Archaediscus-species gives this horizon a certain similarity with the complex of the Krasnopolynaskiy horizon. It can, however, not be classified with this due to the presence of Pseudostaffella antiqua. It should rather be classified with the Molotovskiy horizon. The upper part of the Bashkirskiy stage is 19 m thick and may lithologically be subdivided in 2 parcels. The lower one consists of limes which are very similar to the above-mentioned ones lying in the lower part of the stage. The upper parcel, of small thickness, is formed by an alternating sedimentation of organogenic and micro-granular clayey limes, marls and clays. The upper part of the Bashkirskiy stage according to the foraminifera fauna may also be subdivided in 2 parts, but the boundary between them does not agree with that between the two lithological parcels. The comparison of the foraminifera complexes of the two above-mentioned parts of the stage with the complexes of the same stage of other districts shows a certain peculiarity of the two complexes of the Bashkirskiy stage of Melekess. Deviations from the vertical distribution of the species and in connection with them, the local differences in the amount of the complexes which characterize the horizons undoubtedly indicate peculiarities of the existence of the fauna in the Melekess section of the Bashkirskiy waters or the peculiarity of the settlement of this section by the fauna. The

Card 2/3

20-2-50/60

Deposits of the Bashkirskiy Stage in Melekess

differences of the fauna stand in the complexes render their assimilation difficult. Nevertheless the upper complex may be equated with the upper part of the Podvereyskiy horizon (according to the first occurrence of Aljutovella and Verella). The first occurrence of Schubertella here might be explained by its belated penetration to this part of the water. Thus only the upper half of the sediments of the Bashkirskiy stage is apparently present in the Melekess. There is no gap between the Bashkirskiy- and Vereyskiy sediments, here. The Bashkirskiy sediments at the right bank of the Volga approximately have a similar extension in the Uljanovskiy support bore-hole, but the thickness here decreases toward the west to 25 m and still further. These facts reflect the existence of apparently large elevations during the Carboniferous.

ASSOCIATION:

All-Union Scientific Research Institute for Petroleum Geology and Prospecting (Vsesoyuznyy nauchno-issledovatel'skiy geologorazve-

dochnyy neftyanoy institut)

PRESENTED:

March 14, 1957, by S. I. Mironov, Academician

SUBMITTED:

March 14, 1957

AVAILABLE:

Library of Congress

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MINYAYEVA, Yevgeniya Georgiyevna; ROSTOVTSEVA, Lidiya Fedorovna;
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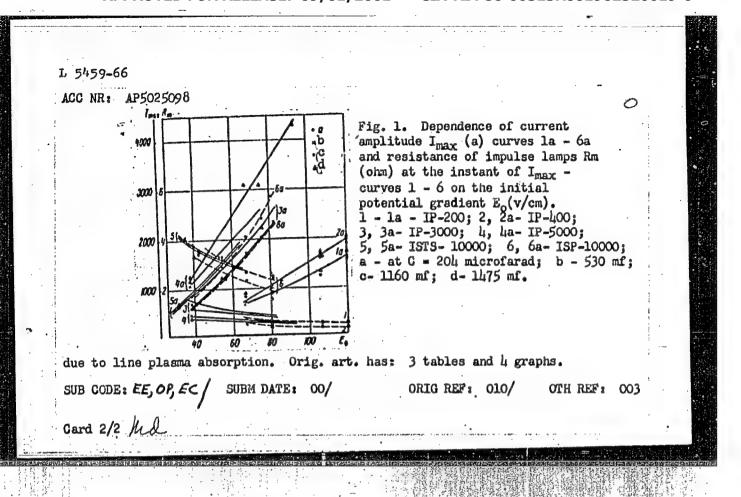
(Kola Peninsula-Apatite)
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DENISOV, A.P.; DUDKIN, O.B.; YELINA, N.A.; KRAVCHENKO-BEREZHNOY, R.A.; POLEZHAYEVA, L.I.

Relationship between the physical properties of apatite and the admixture of rare earths and strontium. Geokhimia no.8:666-675 '61. (MIRA 17:3)

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97 PG• All_Union Lumo-Technical	Research Institute, Moscow (Vseso	yuznyy nauchno-
ssledovatel skiy svetotekhnic	heskiy institut)	76
ITLE: Impulse lamps VNISI fo	r lasers	\mathcal{B}
	ektroskopii, v. 3, no. 3, 1965, 28 se lamp, optical pumping, optical	
olid state devices, the perfo aving straight and cylindrica COO joules were studied. The	reliable <u>lasers</u> for use as optica rmance of b different Xe lamps was l spirals and flash energy output spectral distribution, light inte	between 200 to ensity, and
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heated by high-irequency current. And products of residual electrical registance



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CIA-RDP86-00513R001962520019-6

AT AT S	RG: none ITLE: Mechanical properties and structure of zone-refined aluminum OURCE: Tsvetnyye metally, no. 3, 1966, 77-79 OPIC TAGS: zone refining, aluminum zone refining, zone refined aluminum, a mechanical property, aluminum structure ABSTRACT: The mechanical properties and structure of cast and rolled, zone aluminum (ZP) with a total impurity content of 5.4-14.5·10-4%, and AV0000-aluminum (ZP) with a total impurity content of 5.4-14.5·10-4%, and AV0000-aluminum (ZP) with a total impurity content of 5.4-14.5·10-4% and Avonous content of the strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and content of the strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick and 180 mm wide. Strips 2 and 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips 2, 0.5, or 0.05 mm thick were reflected into strips	luminum befined grade ere cold- 0.5 mm olled with f 4.4 kg/mm², of about 000 alumi- ve strength om 3.2 to 5% at a
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